

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions of the claims.

LISTING OF CLAIMS:

1-151. (canceled).

152. (previously presented) A live-born clone of a pre-existing, non-embryonic, donor mammal from which a differentiated cell has been taken,

wherein the mammal is selected from cattle, sheep, pigs, goats, mice, rabbits, horses, and rats,

wherein the clone is produced by a process comprising:

(a) transferring the nucleus of the differentiated cell or a cell obtained by culture thereof into an enucleated, metaphase II-arrested oocyte from the same species,

wherein the differentiated cell or cell obtained by culture thereof is a diploid cell in the G1 phase of the cell cycle at the time of transfer;

(b) activating the oocyte; and

(c) incubating the activated oocyte such that an embryo develops;

(d) transferring the embryo to a female of the same species; and

(e) developing the embryo into the live-born clone.

153. (previously presented) The clone of claim 152, wherein the differentiated cell or cell obtained by culture thereof is cultured *in vitro*.

154. (previously presented) The clone of claim 152, wherein the differentiated cell or cell obtained by culture thereof is abstracted *ex vivo*.

155. (previously presented) The clone of claim 152, wherein the mammal is a cattle.

156. (previously presented) The clone of claim 152, wherein mammal is a sheep.

157. (previously presented) The clone of claim 152, wherein the mammal is a pig.

158. (previously presented) The clone of claim 152, wherein the mammal is a goat.

159. (previously presented) The clone of claim 152, wherein the mammal is a mouse.

160. (previously presented) The clone of claim 152, wherein the mammal is a rabbit.

161. (previously presented) The clone of claim 152, wherein the mammal is a horse.

162. (previously presented) The clone of claim 152, wherein the mammal is a rat.

163. (previously presented) A live-born clone of a pre-existing, non-embryonic, donor mammal,

wherein the mammal is selected from cattle, sheep, pigs, goats, mice, and rabbits, horses, and rats.

164. (previously presented) The clone of claim 163, wherein the mammal is a cattle.

165. (previously presented) The clone of claim 163, wherein mammal is a sheep.

166. (previously presented) The clone of claim 163, wherein the mammal is a pig.

167. (previously presented) The clone of claim 163, wherein the mammal is a goat.

168. (previously presented) The clone of claim 163, wherein the mammal is a mouse.

169. (previously presented) The clone of claim 163, wherein the mammal is a rabbit.

170. (previously presented) The clone of claim 163, wherein the mammal is a horse.

171. (previously presented) The clone of claim 163, wherein the mammal is a rat.